

## Intelligent Air-Conditioner Efficiency

Thank you for choosing intelACe, the Intelligent Air-Conditioner Efficiency Controller. Please read this user guide carefully before installation & operation and retain it for future reference.



### FOR YOUR RECORDS

Write the model and serial numbers here:

Model # \_\_\_\_\_

Serial # \_\_\_\_\_

You can find them on a label on the back of each unit.



For warranty registration, kindly visit  
<http://www.intelace.com/warranty>



### READ THIS USER GUIDE

#### WHAT'S IN THE PACKAGE

- intelACe Intelligent Efficiency Main Unit x 1
- intelACe IR Remote Controller x 1
- Wago Cable Splicing Connector x 1
- M3 Screws x 2
- M3 Wall Plugs x 2
- Quick User Guide x 1

#### INSTALLATION GUIDE





- intelACe is easily and safely installed in less than 10 minutes, without any modifications.
- Any electrician or Air Con technician can install intelACe following the installation manual with ZERO setup.



For details installation guide, kindly visit  
<http://www.intelace.com/installation-guide>

### REMOTE CONTROL

*Operation of remote control*

- BYPASS : To change between active and bypass mode.
- STATUS : To view maximum temperature recorded.
- TEMP : To increase the desired temperature.
- TEMP : To decrease the desired temperature.

The IR signal receiver is located beside the intelACe display. Aim the remote controller towards the unit to operate it. There should not be any obstacles in between.



### PRECAUTION

*To prevent injury to the user or other people and property damage, the following instructions must be followed.*

- The appliance is exclusively for the use for which it has been manufactured. Any other use is to be considered inappropriate and therefore dangerous. The manufacturer cannot be held responsible for eventual damage caused by inappropriate, improper or irresponsible use and/or for repairs made to the product by unauthorised personnel.
- After removing the appliance from the packaging, make sure that the product is complete and in perfect condition. Ensure all labels and packagings have been removed from the unit.
- The plastic bag in which the appliance was packaged should be kept out of reach of children as it poses a suffocation hazard.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Do not leave the appliance exposed to the elements, (rain, direct sunlight, frost, etc.).
- Do not immerse the appliance, the plug, or the electrical cable in water.
- As with any electrical appliance, whilst the instructions aim to cover as many eventualities as possible, caution and common sense should be applied when operating your appliance, particularly in the vicinity of young children.
- **CAUTION! INSTALLATION TO BE DONE BY EXPERIENCED & QUALIFIED ELECTRICIAN OR TECHNICIAN. ENSURE THE POWER SUPPLY TO THE AIR CONDITIONER IS COMPLETELY SHUT BEFORE PROCEEDING. USE A VOLTAGE DETECTOR TO CONFIRM ABSENCE OF VOLTAGE AND INSTALL A LOCK-OUT TO PREVENT ACCIDENTAL ENERGIZATION.**

# OPERATION

## Normal Operation

Step 1: Switch on your A/C.

Step 2: Using the A/C remote control, set the A/C temperature to minimum setting (16°C) and set the blower fan speed to maximum (☼☼☼☼).





Step 3: After Step 2, you do not require the usage of the A/C remote control any more. You only require the intelACe remote control.

Step 4: Use the intelACe remote control to set the desired room temperature. By default, 24°C is already configured. After every restart of the A/C, intelACe will start with 24°C default temperature.

## Bypass Operation

You can bypass intelACe operation at anytime by pressing "BYPASS" button. In this condition, intelACe will not control the A/C. All control will be done by the A/C's built-in thermostat.

## Operation Display

No	State	Display	Explanation
1	START		In this state, intelACe evaluates the A/C compressor operation. The display alternates between current ambient room temperature and "CO".  In this state, intelACe is still in passive mode and does not control the A/C.  intelACe will remain in passive state if the A/C cannot reach the desired room temperature.
2	ACTIVE STATE		During "ACTIVE STATE", intelACe will display the ambient room temperature only. This is the savings mode where you save energy.
3	BYPASS STATE		intelACe enters "BYPASS STATE" when the "BYPASS" button is pressed on the intelACe remote control. The display alternates between ambient room temperature and "bP".
4	RUN PASSIVE STATE		intelACe will enter "RUN PASSIVE STATE" if it detects that it cannot achieve the desired room temperature at any point during operation. In this STATE, the A/C will return to original A/C thermostat control. The display will alternate between ambient room temperature and "HH".

Note: Failure to achieve desired room temperature can be attribute to any of the following:

- i. Undersized A/C for heat load requirement.
- ii. Faulty A/C.
- iii. Undersized A/C for set desired temperature.